



Network

Dome

XNV-6083Z

2MP AI Vandal Dome Camera



Key Features

- 2MP resolution
- 2.8~12mm (4.3x) motorized varifocal
- Color: 0.01Lux(F1.4, 1/30sec, 30IRE)
- B/W : 0.001Lux(F1.4, 1/30sec, 30IRE), 30/25fps
- Maximum 120fps/100fps(60Hz/50Hz)(WDR off)
- Day & Night (ICR), extremeWDR (150 dB)
- Hard-coated dome bubble
- WiseNR II (Based on AI engine), WiseStreamIII (Based on AI engine)
- Analytics events based on AI engine (NPU) : Object detection (Person/Face/Vehicle - car, truck, bus, bicycle, motorcycle/License plate),
IVA (Virtual line/Area, Enter/Exit, Loitering, Direction, Intrusion)
- Analytics events : Defocus detection, Motion detection, Tampering, Fog detection
Audio detection, Sound classification, Shock detection, Appear/Disappear
- IP66/IP67/IP6K9K, NEMA4X, IK10+

XNV-6083Z

2MP AI Vandal Dome Camera



Specifications

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| Video | |
| Imaging Device | 1/2.8" progressive CMOS |
| Resolution | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate | H.265/H.264: Max. 120fps/100fps(60Hz/50Hz)(WDR off) Max. 60fps/50fps(60Hz/50Hz)(WDR on) MJPEG: Max. 30fps |
| Min. Illumination | Color: 0.01Lux(F1.4, 1/30sec, 30IRE) BW: 0.001Lux(F1.4, 1/30sec, 30IRE), 30/25fps Color: 0.02Lux(F1.4, 1/60sec, 30IRE) BW: 0.002Lux(F1.4, 1/60sec, 30IRE), 60/50fps Color: 0.04Lux(F1.4, 1/120sec, 30IRE) BW: 0.004Lux(F1.4, 1/120sec, 30IRE), 120/100fps |
| Lens | |
| Focal Length (Zoom Ratio) | 2.8~12mm(4.3x) motorized varifocal |
| Max. Aperture Ratio | F1.4(Wide)~F3.6(Tele) |
| Angular Field of View | H: 120°(Wide)~27°(Tele) V: 63°(Wide)~15°(Tele) D: 143°(Wide)~32°(Tele) |
| Min. Object Distance | 0.5m(1.64ft) |
| Focus Control | Simple focus, Manual |
| Lens Type | DC auto iris with hall sensor(IR corrected) |
| Pan / Tilt / Rotate | |
| Pan / Tilt / Rotate Range | Remote adjustment(Max. 200cycles) 0°~350° / 0°~85° / 0°~340° |
| Operational | |
| Camera Title | Displayed up to 85 characters |
| Day & Night | Auto(ICR) |
| Backlight Compensation | BLC, HLC, WDR, SSDR |
| Wide Dynamic Range | extremeWDR(150dB) |
| Digital Noise Reduction | WiseNR II (Based on AI engine), SSNR V |
| Digital Image Stabilization | Support |
| Defog | Support |
| Motion Detection | 8ea, 8point Polygonal zones |
| Privacy Masking | 32ea, 4point Quadrangle zones - Color: Gray/Green/Red/Blue/Black/White - Mosaic |
| Gain Control | Off / Max Gain / Manual |
| White Balance | ATW / NarrowATW / AWC / Manual / Indoor / Outdoor |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

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| LDC | Support(Fill/stretch mode) |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker(2~1/12,000sec) prefer shutter control(Based on AI engine) |
| Video Rotation | Flip, Mirror, Hallway view(90°/270°) |
| Analytics | Classified object type: Person/Face/Vehicle/License plate Attributes: Vehicle(Type: car/bus/truck/motorcycle/bicycle) Support DetectionShot Analytics events based on AI engine - Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit) Analytics events - Defocus detection, Motion detection, Tampering, Fog detection, Virtual area(Appear/Disappear) * Audio detection, Sound classification(with NW I/O box SPM-4210) |
| Business Intelligence | Based on AI engine: People counting |
| Alarm Triggers | Analytics, Network disconnect, App event, Time schedule, MQTT subscription * Alarm input(with NW I/O Box SPM-4210) |
| Alarm events | When alarm trigger occurred - File upload(image): e-mail/FTP - Notification: e-mail - Recording: SD/SDHC/SDXC or NAS recording at event triggers - Alarm output(with NW I/O box SPM-4210) - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP) - MQTT: publication |

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| Network | |
| Ethernet | Metal shielded RJ-45(10/100/1000BASE-T) |
| Video Compression | H.265/H.264: Main/Baseline/High, MJPEG |
| Smart Codec | Manual(5ea area), WiseStream II, WiseStreamIII(Based on AI engine) |
| Bitrate Control | H.264/H.265: CBR or VBR MJPEG: VBR |
| Streaming | Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles, 3 virtual channel support) |
| Protocol | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT |
| Security | TPM 2.0(FIPS 140-2 level 2) HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) Device Certificate(Hanwha Techwin Root CA, pre-installed) Secure by default certificate Secure OS/Boot/Storage, Verify firmware forgery |
| Application Programming Interface | ONVIF Profile S/G/T/M SUNAPI(HTTP API) Wisenet open platform |

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| General | |
| Webpage Language | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Greek, Hungarian |
| Edge Storage | Micro SD/SDHC/SDXC 2slot Max. 1TB(512GB * 2) |
| Memory | 2GB RAM, 512MB Flash |

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| Environmental & Electrical | |
| Operating Temperature / Humidity | -50°C~+55°C(-58°F~+131°F) * Start up should be done at above -30°C 0~95%RH(non-condensing) Humidity control /w AIR vent |
| Storage Temperature / Humidity | -50°C~+60°C(-58°F~+140°F) / 0~90% RH |
| Certification | IP66/IP67/IP6K9K, NEMA4X, IK10+ |
| Input Voltage | PoE+(IEEE802.3at type 2, Class4) |

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Hanwha Vision is formerly known as Hanwha Techwin.

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| Power Consumption | PoE+: Max 17.0W, typical 11.0W |
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| Mechanical | |
| Color / Material | White / Aluminum Hard-coated dome bubble |
| RAL Code | RAL9003 |
| Product Dimensions / Weight | ø180x135mm(ø7.09x5.31"), 2000g(4.41 lb) |
| Compatible Conduit hole / Gangbox | 19.1mm(3/4")(M25) single, double, 4" octagon, 4" square |
| Hanging Mount (Dome) | SBP-187HMW |

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| Certifications & Standards | |
| EMC | EN 50121-4 FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A KS C 9832 Class A, KS C 9835 |
| Safety | UL 62368-1, CAN/CSA C22.2 NO. 62368-1 |
| Environment | EN IEC 63000 IEC 60529 IP66/IP67, ISO 20653 IP6K9K, IEC 62262 IK10+ NEMA 250 type 4X |

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| DORI (EN62676-4 standard) | |
| Detect (25PPM/ 8PPF) | Wide: 22.2m(72.74ft) / Tele: 159.9m(524.76ft) |
| Observe (63PPM/ 19PPF) | Wide: 8.9m(29.09ft) / Tele: 64.0m(209.90ft) |
| Recognize (125PPM/ 38PPF) | Wide: 4.4m(14.55ft) / Tele: 32.0m(104.95ft) |
| Identify (250PPM/ 76PPF) | Wide: 2.2m(7.27ft) / Tele: 16.0m(52.48ft) |